


# CURRICULUM VITAE

Personal Information					
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Research Interest					
Livestock genomics including statistical genomics (GWAS, Genomic prediction & genomic mating), transcriptomics and machine learning in genomics. Mainly focused on growth, immune traits.					
Education & Working Experience					
2000-2009, Huazhong Agricultural University, lecturer 2009-2017, Huazhong Agricultural University, associated professor 2014-2015, Washington State University, visiting scholar 2017- now, Huazhong Agricultural University, full professor					
Publications					
1. Wang D, Zhang W, Guo J, Wu Y, Li X, Zhao S, <b>Zhu M*</b> . Identification of functional mutations at FOXP3 binding site within BIC gene that alter the expression of miR-155 in pigs. <i>Gene</i> . 2020; 744:144631. 2. Wu Y, Zhang W, Zhang N, Wang D, Zhao S, <b>Zhu M*</b> . Characterization of immune pleiotropy of ESR1 gene in pigs. <i>Immunogenetics</i> . 2020; 72:413-422. 3. Zhang J, Chen JH, Liu XD, Wang HY, Liu XL, Li XY, Wu ZF, <b>Zhu MJ*</b> , Zhao SH. Genomewide association studies for hematological and T lymphocyte subpopulations in a Duroc * Erhualian F2 resource population. <i>Journal of Animal Science</i> . 2016; 94(12): 5028-5041. 4. Wang H, Hou Y, Guo J, Chen H, Liu X, Wu Z, Zhao S, <b>Zhu M *</b> . Transcriptomic landscape for lymphocyte count variation in poly I:C-induced porcine peripheral blood. <i>Animal Genetics</i> . 2016; 47(1):49-61. 5. Zhao M, Liu XD, Li XY, Chen HB, Jin H, Zhou R, <b>Zhu MJ*</b> , Zhao SH. Systems infection biology: a compartmentalized immune network of pig spleen challenged with Haemophilus parasuis. <i>BMC Genomics</i> . 2013; 14:46. 6. Liu X, Huang J, Yang S, Zhao Y, Xiang A, Cao J, Fan B, Wu Z, Zhao J, Zhao S, <b>Zhu M *</b>					

Whole blood transcriptome comparison of pigs with extreme production of in vivo dsRNA-induced serum IFN- $\alpha$ . *Developmental & Comparative Immunology*. 2014; 44(1): 35-43.

7. Zhao YX, Hou Y, Zhao CZ, Liu F, Luan Y, Jing L, Li XY, **Zhu MJ\***, Zhao SH\*. Cis-Natural Antisense Transcripts Are Mainly Co-expressed with Their Sense Transcripts and Primarily Related to Energy Metabolic Pathways during Muscle Development. *International Journal of Biological Sciences*. 2016; 12(8): 1010-1021.

8. Yang SB, Pei Y, Li XY, Zhao SH, **Zhu MJ\***, Zhao AY\*. miR-124 attenuates Japanese encephalitis virus replication by targeting DNM2. *Virology Journal*. 2016; 13:105.

9. Zhao M, Liu XD, Wang C, Guo JY, He MH, Zhao SH, **Zhu MJ\***. Comparison of effect of non-specific filtering methods and their combinations on GeneChip data analysis: A case for Affymetrix porcine genome microarray. *Journal of Animal and Veterinary Advances*. 2012; 11(24): 4593-4598.

10. **Zhu MJ#**, Ding JT, Li CC, Fan B, Yu M, Liu B, Peng ZZ, Zhao SH\*. Model optimization of litter size and genetic analyses of model parameters in sows. *Journal of Animal Science and Biotechnology*. 2010; 1(1):1-6.

11. Li X, Yu M, **Zhu MJ\***. Innate immune signaling pathways in animals: Beyond reductionism. *Int Rev Immunol*. 2009; 28(3&4): 207-238.

12. **Zhu MJ**, Yu M, Zhao SH. Understanding quantitative genetics in the systems biology era. *Int J Biol Sci*. 2009; 5(2): 161-170.

13. Li X, Zhang YB, Tang ZL, Yu M, Liu B, Fan B, Xu SP, Peng ZZ, Zhao SH, **Zhu MJ\***. Comparative estimation on three-way heterosis in pigs reveals genetic bias of the widely used empirical formula. *Journal of Animal and veterinary Advances*. 2009; 8 (6): 1212-1218.

14. **Zhu MJ**, Ding JT, Liu B, Yu M, Fan B, Li CC, Zhao SH. Genetic parameters for four reproduction component traits in two Chinese indigenous pig breeds. *Asian-Aust J Anim Sci*. 2008, 21(8): 1109-1115.

15. **Zhu M**, Zhao S. Candidate Gene Identification Approach: Progress and Challenges. *Int J Biol Sci*. 2007; 3:420-427.

16. **Zhu MJ**, Yu M, Liu B, Zhu ZZ, Xiong TA, Fan B, Xu SP, Du YQ, Peng ZZ, Li K. Genetic status of ESR locus and other unidentified genes associated with litter size in Chinese indigenous Tongcheng pig breed after a long time selection. *Asian-Aust J Anim Sci*. 2004, 17(5): 598-602.